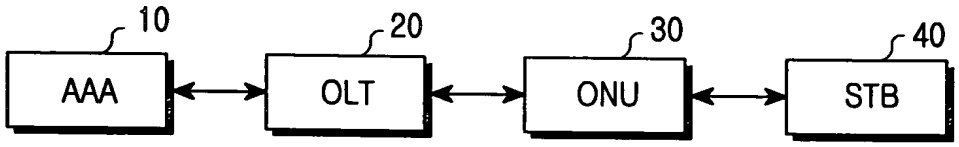

FIG.1

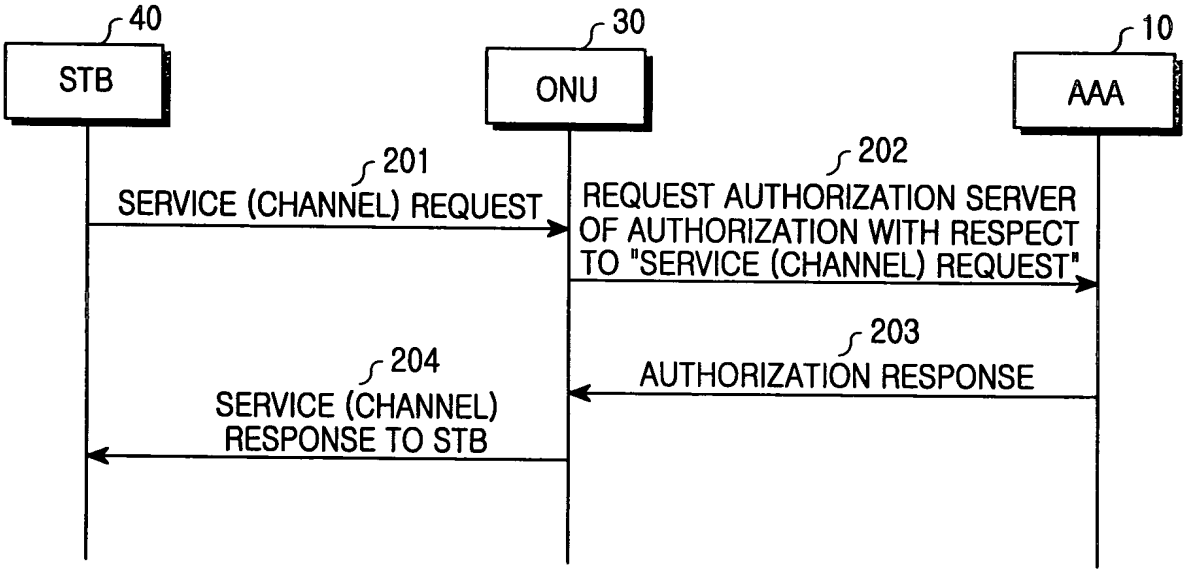

FIG.2A
(PRIOR ART)

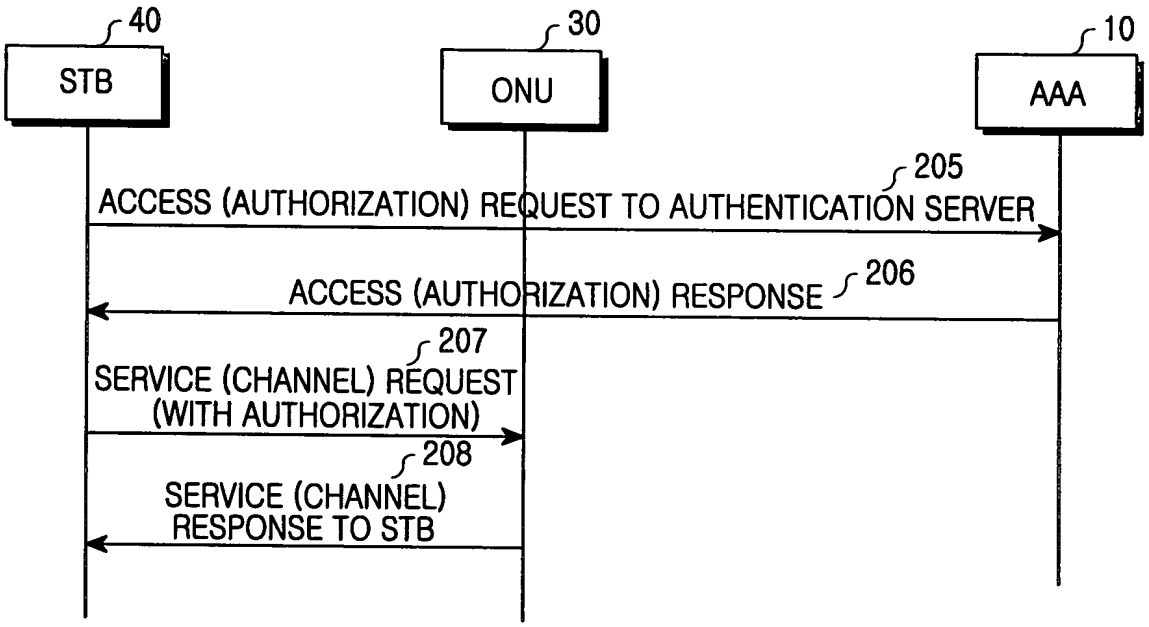

FIG.2B
(PRIOR ART)

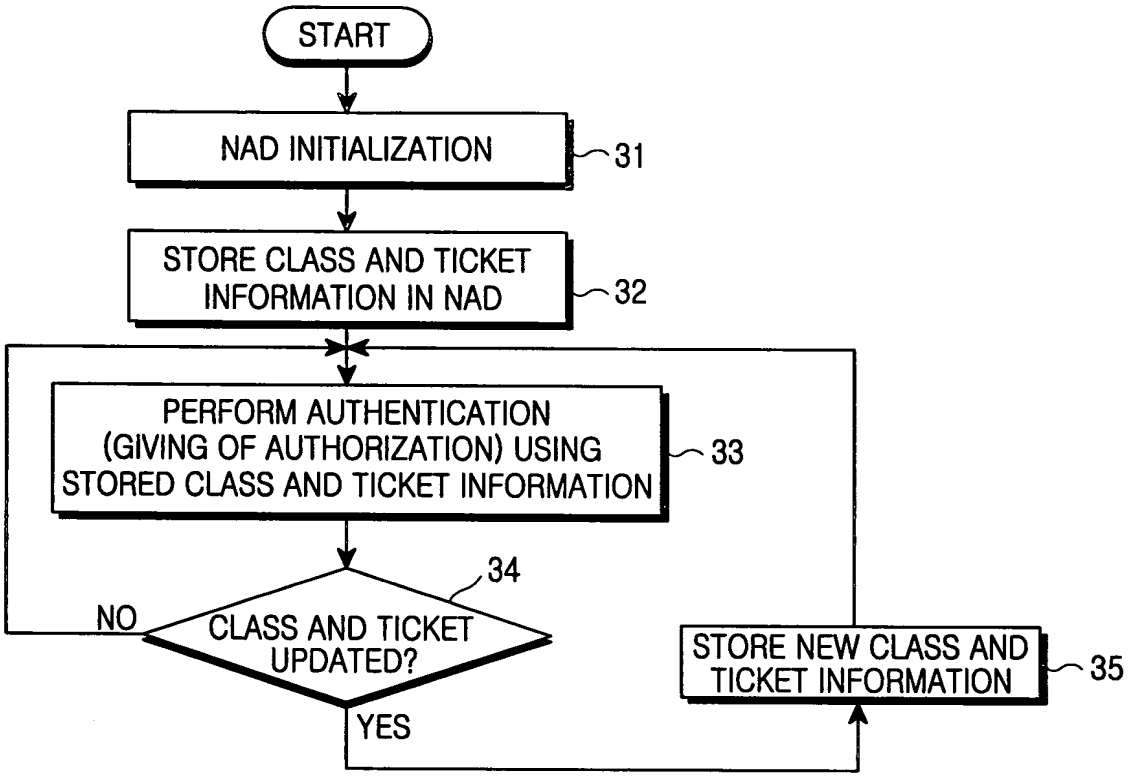
START
NAD INITIALIZATION
31
STORE CLASS AND TICKET INFORMATION IN NAD
32
PERFORM AUTHENTICATION (GIVING OF AUTHORIZATION) USING STORED CLASS AND TICKET INFORMATION
33
34
NO
CLASS AND TICKET UPDATED?
YES
STORE NEW CLASS AND TICKET INFORMATION
35

FIG.3

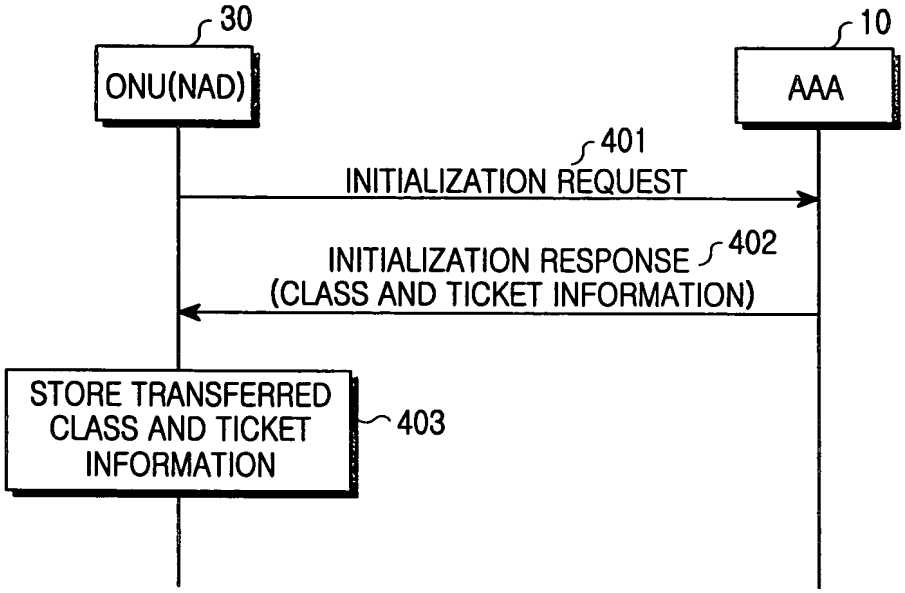
30
ONU(NAD)
10
AAA
401
INITIALIZATION REQUEST
INITIALIZATION RESPONSE
(CLASS AND TICKET INFORMATION)
402
STORE TRANSFERRED CLASS AND TICKET INFORMATION
403

FIG.4

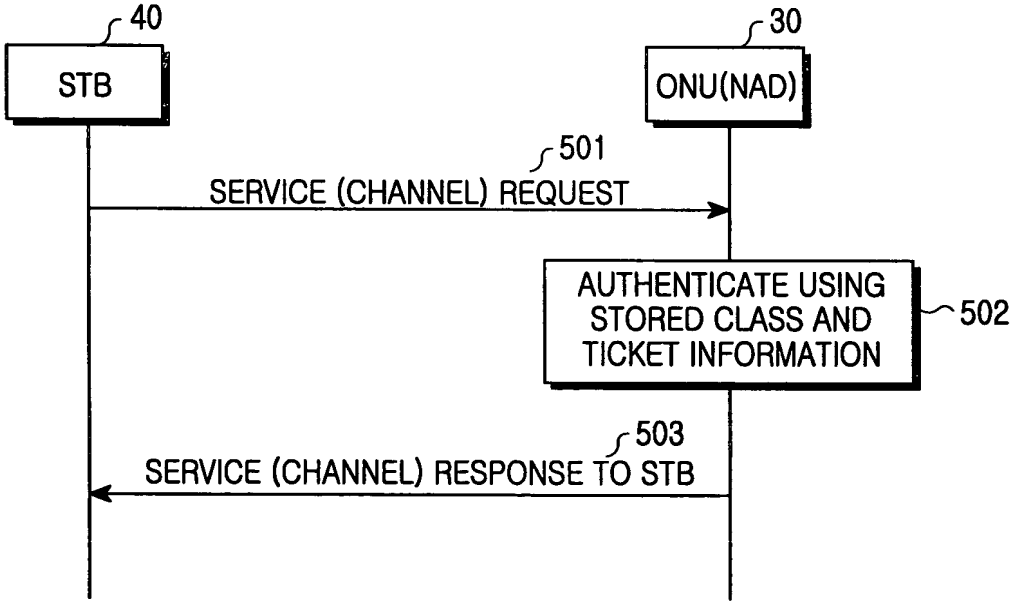
40
STB
30
ONU(NAD)
501
SERVICE (CHANNEL) REQUEST
AUTHENTICATE USING STORED CLASS AND TICKET INFORMATION
502
503
SERVICE (CHANNEL) RESPONSE TO STB

FIG.5

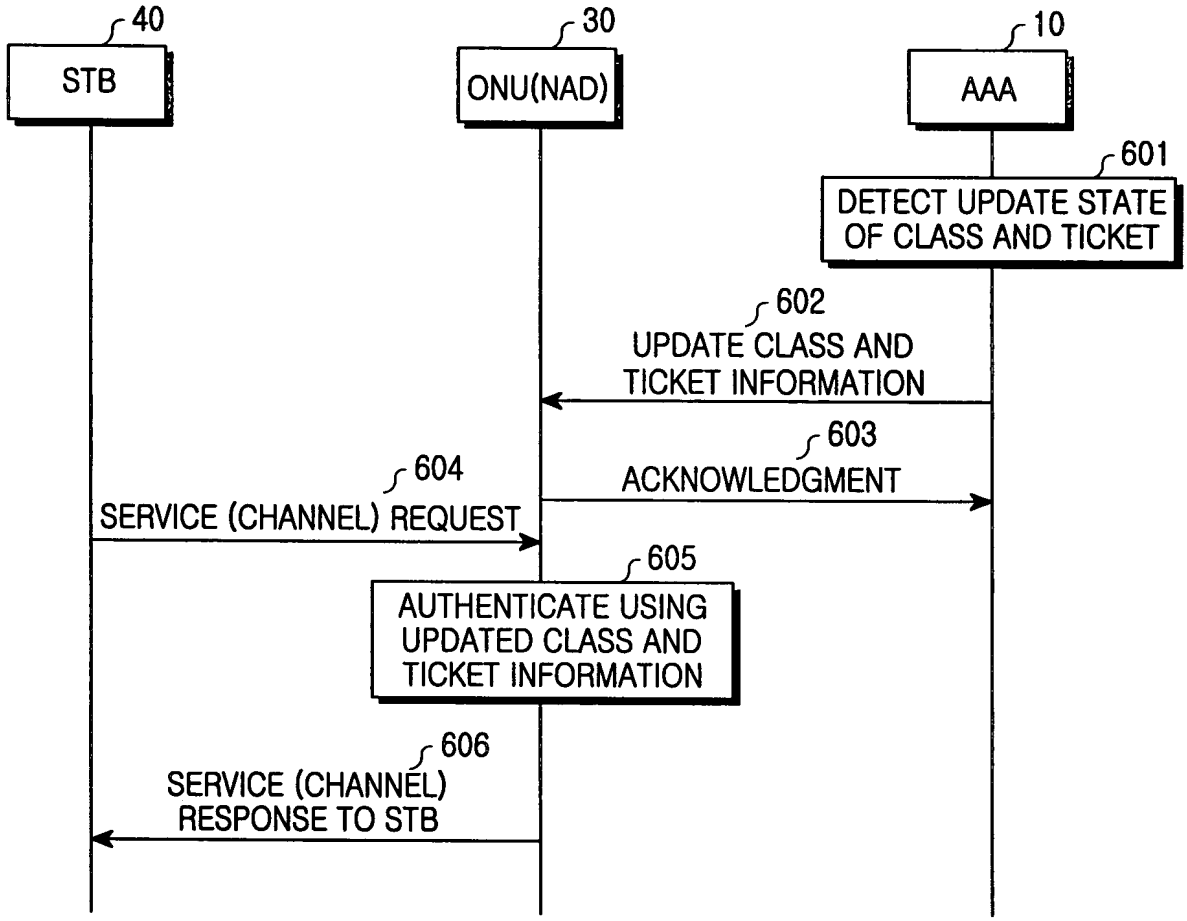
40
STB
30
ONU(NAD)
10
AAA
601
DETECT UPDATE STATE OF CLASS AND TICKET
602
UPDATE CLASS AND TICKET INFORMATION
603
ACKNOWLEDGMENT
604
SERVICE (CHANNEL) REQUEST
605
AUTHENTICATE USING UPDATED CLASS AND TICKET INFORMATION
606
SERVICE (CHANNEL) RESPONSE TO STB

FIG.6